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<b>(21) International Application Number:</b> PCT/GB97/00796 <b>(22) International Filing Date:</b> 21 March 1997 (21.03.97)  <b>(30) Priority Data:</b> 9606040.5                      22 March 1996 (22.03.96)                      GB  <b>(71) Applicant (for all designated States except US):</b> ISIS INNO- VATION LIMITED [GB/GB]; 2 South Parks Road, Oxford OX1 3UB (GB).  <b>(72) Inventors; and</b> <b>(75) Inventors/Applicants (for US only):</b> GREENFIELD, Susan, Adele [GB/GB]; Aubrey House, Horton-cum-Studley, Oxon OX33 1BU (GB). VAUX, David, John, Talbutt [GB/GB]; 104 Spring Road, Abingdon, Oxon OX14 1AX (GB).  <b>(74) Agent:</b> PENNANT, Pyers; Stevens Hewlett & Perkins, 1 Serjeants' Inn, Fleet Street, London EC4Y 1LL (GB).		<b>(81) Designated States:</b> JP, US, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).  <b>Published</b> <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>
<b>(54) Title:</b> PEPTIDE FROM SOLUBLE FORM OF ACETYLCHOLINESTERASE, ACTIVE AS A CALCIUM CHANNEL MODULA- TOR		
<b>(57) Abstract</b>  The acetylcholinesterase 14-mer peptide AEFHRWSSYMVHWK acts alone or in synergism with $\beta$ -amyloid to contribute to neuronal degeneration, e.g. in Parkinson's and Alzheimer's diseases, perhaps by exerting calcium channel opening activity. Antibodies and other compounds which inhibit the biological activity are useful for prophylaxis or treatment.		